

## LOC Questions and Clarifications Memorandum

**To:** Solicited Vendors for Letter of Configuration (LOC) Number 38180, dated May 6, 2009 for the Mississippi Department of Transportation (MDOT)

**From:** David L. Litchlitter

**Date:** May 15, 2009

**Subject:** Responses to Questions Submitted and Clarifications to Specifications

**Contact Name:** Teresa Washington

**Contact Phone Number:** 601-359-2383

**Contact E-mail Address:** teresa.washington@its.ms.gov

**LOC Number 38180 is hereby amended as follows:**

**1. ATTACHMENT A, COST INFORMATION FORM – LOC NUMBER 38180, has been amended to replace the cost table with the following:**

| MFG         | MFG #*             | DESCRIPTION  | QTY | UNIT COST | EXTENDED COST** |
|-------------|--------------------|--|-----|-----------|-----------------|
| CORE SWITCH |                    |  |     |           |                 |
| Cisco       | WS-C6509-E         | Catalyst 6500 Enhanced 9-slot chassis,15RU,no PS,no Fan Tray | 1   |           |                 |
|             | SV33AEK9L-12233SXH | Cisco CAT6000-VSS720 IOS ADV ENT Serv SSH LAN Only           | 1   |           |                 |
|             | VS-S720-10G-3C     | Cat 6500 Supervisor 720 with 2 ports 10GbE and MSFC3 PFC3C   | 2   |           |                 |
|             | CF-ADAPTER-SP      | SP adapter with compact flash for SUP720                     | 2   |           |                 |
|             | X2-10GB-SR         | 10GBASE-SR X2 Module for MMF                                 | 10  |           |                 |
|             | WS-X6716-10G-3C    | Catalyst 6500 16 port 10 Gigabit Ethernet w/ DFC3C (req X2)  | 2   |           |                 |
|             | X2-10GB-LRM        | 10GBASE-LRM X2 Module  | 26  |           |                 |
|             | WS-X6748-GE-TX     | Cat6500 48-port 10/100/1000 GE Mod: fabric enabled, RJ-45    | 3   |           |                 |

|                        |                   |   |    |  |  |
|------------------------|-------------------|---|----|--|--|
|                        | WS-C6509-E-FAN    | Catalyst 6509-E Chassis Fan Tray                            | 1  |  |  |
|                        | WS-CAC-8700W-E    | Catalyst 6500 8700W Enhanced AC Power Supply                | 2  |  |  |
|                        | CAB-AC-C6K-TWLK   | Power Cord, 250Vac 16A, twist lock NEMA L6-20 plug, US      | 4  |  |  |
|                        | VS-F6K-MSFC3      | Catalyst 6500 Multilayer Switch Feature Card (MSFC) III     | 2  |  |  |
|                        | VS-F6K-PFC3C      | Catalyst 6500 Sup 720-10G Policy Feature Card 3C            | 2  |  |  |
|                        | VS-S720-10G       | Catalyst 6500 Supervisor 720 with 2 10GbE ports             | 2  |  |  |
|                        | MEM-C6K-CPTFL1GB  | Catalyst 6500 Compact Flash Memory 1GB                      | 2  |  |  |
|                        | BF-S720-64MB-RP   | Bootflash for SUP720-64MB-RP                                | 2  |  |  |
|                        | WS-F6700-DFC3C    | Catalyst 6500 Dist Fwd Card for WS-X67xx modules            | 2  |  |  |
|                        | WS-X6716-10GE     | Catalyst 6500 16 port 10 Gigabit Ethernet Base Module       | 2  |  |  |
|                        | MEM-XCEF720-256M  | Catalyst 6500 256MB DDR, xCEF720 (67xx interface, DFC3A)    | 2  |  |  |
|                        | WS-F6700-CFC      | Catalyst 6500 Central Fwd Card for WS-X67xx modules         | 2  |  |  |
|                        | FERRITE-BEAD      | Ferrite-Bead  | 2  |  |  |
|                        | CON-SNTP-WS-C6509 | Cisco SmartNet 24x7x4 Service,Catalyst 6509                 | 1  |  |  |
| <b>CLOSET SWITCHES</b> |                   |   |    |  |  |
|                        | WS-C4506E-GE-96V  | Cat4506-E PoE GE Bundle, 1 x S2+10GE, 2 x WS-X4548-GB-RJ45V | 11 |  |  |
|                        | PWR-C45-1300ACV   | Catalyst 4500 1300W AC Power Supply (Data and PoE)          | 11 |  |  |
|                        | PWR-C45-1300ACV/2 | Catalyst 4500 1300W AC Power Supply (Data and PoE)          | 11 |  |  |
|                        | CAB-US520-C19-US  | NEMA 5-20 to IEC-C19 14ft US                                | 22 |  |  |
|                        | S45IPBU-12246SG   | Cisco CAT4500 IOS IP Base Upgrade w/o Crypto                | 11 |  |  |
|                        | X2-10GB-LRM       | 10GBASE-LRM X2 Module                                       | 11 |  |  |
|                        | WS-X4013+10GE     | Catalyst 4500 Sup II+10GE, 2x10GE (X2) and 4x1GE (SFP)      | 11 |  |  |
|                        | WS-X4548-GB-RJ45V | Catalyst 4500 PoE 802.3af 10/100/1000, 48-Ports (RJ45)      | 22 |  |  |
|                        | WS-X4448-GB-RJ45  | Catalyst 4500 48-Port 10/100/1000 Module (RJ45)             | 12 |  |  |
|                        | WS-X4424-GB-RJ45  | Catalyst 4500 24-port 10/100/1000 Module (RJ45)             | 4  |  |  |
|                        | CON-SNTP-C4506E96 | SMARTNET 24X7X4 Cat4506-E PoE GE Bun                        | 11 |  |  |

| RACK SWITCHES        |                    |  |    |  |  |
|----------------------|--------------------|--|----|--|--|
|                      | WS-C3560E-48TD-S   | Catalyst 3560E 48 10/100/1000+2*10GE(X2),265W,IPB s/w    | 10 |  |  |
|                      | S3560EVK9T-12240SE | CAT 3560E IOS Universal with Web Based Dev Mgr           | 10 |  |  |
|                      | CAB-AC             | Power Cord,110V  | 10 |  |  |
|                      | CVR-X2-SFP-2       | Two (2) Cisco TwinGig Converter Modules                  | 10 |  |  |
|                      | CVR-X2-SFP         | Cisco TwinGig Converter Module                           | 20 |  |  |
|                      | X2-10GB-SR         | 10GBASE-SR X2 Module for MMF                             | 10 |  |  |
|                      | CON-SNTP-C4506E    | SMARTNET 24X7X4 Cat4500 E-Series 6-Slot Chassis, fan, no | 10 |  |  |
| TOTAL EXTENDED COST: |                    |  |    |  |  |

The following questions were submitted to ITS and are being presented as they were submitted, except to remove any reference to a specific vendor. This information should assist you in formulating your response.

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**Response:** The existing switches will be sent to other MDOT locations throughout the state to upgrade district and outlying facilities. MDOT does not wish to trade in the old equipment.

LOC responses are due May 20, 2009, at 3:00 p.m. (Central Time).

If you have any questions concerning the information above or if we can be of further assistance, please contact Teresa Washington at 601-359-2383 or via email at [teresa.washington@its.ms.gov](mailto:teresa.washington@its.ms.gov).

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| Cisco       | WS-C6509-E         | Catalyst 6500 Enhanced 9-slot chassis,15RU,no PS,no Fan Tray | 1   |           |                 |
|             | SV33AEK9L-12233SXH | Cisco CAT6000-VSS720 IOS ADV ENT Serv SSH LAN Only           | 1   |           |                 |
|             | VS-S720-10G-3C     | Cat 6500 Supervisor 720 with 2 ports 10GbE and MSFC3 PFC3C   | 2   |           |                 |
|             | CF-ADAPTER-SP      | SP adapter with compact flash for SUP720                     | 2   |           |                 |
|             | X2-10GB-SR         | 10GBASE-SR X2 Module for MMF                                 | 10  |           |                 |
|             | WS-X6716-10G-3C    | Catalyst 6500 16 port 10 Gigabit Ethernet w/ DFC3C (req X2)  | 2   |           |                 |
|             | X2-10GB-LRM        | 10GBASE-LRM X2 Module  | 26  |           |                 |
|             | WS-X6748-GE-TX     | Cat6500 48-port 10/100/1000 GE Mod: fabric enabled, RJ-45    | 3   |           |                 |

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|------------------------|-------------------|---|----|--|--|
|                        | WS-C6509-E-FAN    | Catalyst 6509-E Chassis Fan Tray                            | 1  |  |  |
|                        | WS-CAC-8700W-E    | Catalyst 6500 8700W Enhanced AC Power Supply                | 2  |  |  |
|                        | CAB-AC-C6K-TWLK   | Power Cord, 250Vac 16A, twist lock NEMA L6-20 plug, US      | 4  |  |  |
|                        | VS-F6K-MSFC3      | Catalyst 6500 Multilayer Switch Feature Card (MSFC) III     | 2  |  |  |
|                        | VS-F6K-PFC3C      | Catalyst 6500 Sup 720-10G Policy Feature Card 3C            | 2  |  |  |
|                        | VS-S720-10G       | Catalyst 6500 Supervisor 720 with 2 10GbE ports             | 2  |  |  |
|                        | MEM-C6K-CPTFL1GB  | Catalyst 6500 Compact Flash Memory 1GB                      | 2  |  |  |
|                        | BF-S720-64MB-RP   | Bootflash for SUP720-64MB-RP                                | 2  |  |  |
|                        | WS-F6700-DFC3C    | Catalyst 6500 Dist Fwd Card for WS-X67xx modules            | 2  |  |  |
|                        | WS-X6716-10GE     | Catalyst 6500 16 port 10 Gigabit Ethernet Base Module       | 2  |  |  |
|                        | MEM-XCEF720-256M  | Catalyst 6500 256MB DDR, xCEF720 (67xx interface, DFC3A)    | 2  |  |  |
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|                        | FERRITE-BEAD      | Ferrite-Bead  | 2  |  |  |
|                        | CON-SNTP-WS-C6509 | Cisco SmartNet 24x7x4 Service,Catalyst 6509                 | 1  |  |  |
| <b>CLOSET SWITCHES</b> |                   |   |    |  |  |
|                        | WS-C4506E-GE-96V  | Cat4506-E PoE GE Bundle, 1 x S2+10GE, 2 x WS-X4548-GB-RJ45V | 11 |  |  |
|                        | PWR-C45-1300ACV   | Catalyst 4500 1300W AC Power Supply (Data and PoE)          | 11 |  |  |
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|                      | WS-C3560E-48TD-S   | Catalyst 3560E 48 10/100/1000+2*10GE(X2),265W,IPB s/w    | 10 |  |  |
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|                      | CVR-X2-SFP-2       | Two (2) Cisco TwinGig Converter Modules                  | 10 |  |  |
|                      | CVR-X2-SFP         | Cisco TwinGig Converter Module                           | 20 |  |  |
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|                        | WS-X4548-GB-RJ45V | Catalyst 4500 PoE 802.3af 10/100/1000, 48-Ports (RJ45)      | 22 |  |  |
|                        | WS-X4448-GB-RJ45  | Catalyst 4500 48-Port 10/100/1000 Module (RJ45)             | 12 |  |  |
|                        | WS-X4424-GB-RJ45  | Catalyst 4500 24-port 10/100/1000 Module (RJ45)             | 4  |  |  |
|                        | CON-SNTP-C4506E96 | SMARTNET 24X7X4 Cat4506-E PoE GE Bun                        | 11 |  |  |

| RACK SWITCHES        |                    |  |    |  |  |
|----------------------|--------------------|--|----|--|--|
|                      | WS-C3560E-48TD-S   | Catalyst 3560E 48 10/100/1000+2*10GE(X2),265W,IPB s/w    | 10 |  |  |
|                      | S3560EVK9T-12240SE | CAT 3560E IOS Universal with Web Based Dev Mgr           | 10 |  |  |
|                      | CAB-AC             | Power Cord,110V  | 10 |  |  |
|                      | CVR-X2-SFP-2       | Two (2) Cisco TwinGig Converter Modules                  | 10 |  |  |
|                      | CVR-X2-SFP         | Cisco TwinGig Converter Module                           | 20 |  |  |
|                      | X2-10GB-SR         | 10GBASE-SR X2 Module for MMF                             | 10 |  |  |
|                      | CON-SNTP-C4506E    | SMARTNET 24X7X4 Cat4500 E-Series 6-Slot Chassis, fan, no | 10 |  |  |
| TOTAL EXTENDED COST: |                    |  |    |  |  |

The following questions were submitted to ITS and are being presented as they were submitted, except to remove any reference to a specific vendor. This information should assist you in formulating your response.

**Question 1:** Will the new switches be displacing older existing switches? If so, will MDOT consider trading in the old switches if the trade-in resulted in a substantial cost savings to MDOT? If so, what are the quantities, brands, model numbers and serial numbers of the switches to be traded in?

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If you have any questions concerning the information above or if we can be of further assistance, please contact Teresa Washington at 601-359-2383 or via email at [teresa.washington@its.ms.gov](mailto:teresa.washington@its.ms.gov).

cc: File 38180

## LOC Questions and Clarifications Memorandum

**To:** Solicited Vendors for Letter of Configuration (LOC) Number 38180, dated May 6, 2009 for the Mississippi Department of Transportation (MDOT)

**From:** David L. Litchlitter

**Date:** May 15, 2009

**Subject:** Responses to Questions Submitted and Clarifications to Specifications

**Contact Name:** Teresa Washington

**Contact Phone Number:** 601-359-2383

**Contact E-mail Address:** teresa.washington@its.ms.gov

**LOC Number 38180 is hereby amended as follows:**

**1. ATTACHMENT A, COST INFORMATION FORM – LOC NUMBER 38180, has been amended to replace the cost table with the following:**

| MFG         | MFG #*             | DESCRIPTION  | QTY | UNIT COST | EXTENDED COST** |
|-------------|--------------------|--|-----|-----------|-----------------|
| CORE SWITCH |                    |  |     |           |                 |
| Cisco       | WS-C6509-E         | Catalyst 6500 Enhanced 9-slot chassis,15RU,no PS,no Fan Tray | 1   |           |                 |
|             | SV33AEK9L-12233SXH | Cisco CAT6000-VSS720 IOS ADV ENT Serv SSH LAN Only           | 1   |           |                 |
|             | VS-S720-10G-3C     | Cat 6500 Supervisor 720 with 2 ports 10GbE and MSFC3 PFC3C   | 2   |           |                 |
|             | CF-ADAPTER-SP      | SP adapter with compact flash for SUP720                     | 2   |           |                 |
|             | X2-10GB-SR         | 10GBASE-SR X2 Module for MMF                                 | 10  |           |                 |
|             | WS-X6716-10G-3C    | Catalyst 6500 16 port 10 Gigabit Ethernet w/ DFC3C (req X2)  | 2   |           |                 |
|             | X2-10GB-LRM        | 10GBASE-LRM X2 Module  | 26  |           |                 |
|             | WS-X6748-GE-TX     | Cat6500 48-port 10/100/1000 GE Mod: fabric enabled, RJ-45    | 3   |           |                 |

|                        |                   |   |    |  |  |
|------------------------|-------------------|---|----|--|--|
|                        | WS-C6509-E-FAN    | Catalyst 6509-E Chassis Fan Tray                            | 1  |  |  |
|                        | WS-CAC-8700W-E    | Catalyst 6500 8700W Enhanced AC Power Supply                | 2  |  |  |
|                        | CAB-AC-C6K-TWLK   | Power Cord, 250Vac 16A, twist lock NEMA L6-20 plug, US      | 4  |  |  |
|                        | VS-F6K-MSFC3      | Catalyst 6500 Multilayer Switch Feature Card (MSFC) III     | 2  |  |  |
|                        | VS-F6K-PFC3C      | Catalyst 6500 Sup 720-10G Policy Feature Card 3C            | 2  |  |  |
|                        | VS-S720-10G       | Catalyst 6500 Supervisor 720 with 2 10GbE ports             | 2  |  |  |
|                        | MEM-C6K-CPTFL1GB  | Catalyst 6500 Compact Flash Memory 1GB                      | 2  |  |  |
|                        | BF-S720-64MB-RP   | Bootflash for SUP720-64MB-RP                                | 2  |  |  |
|                        | WS-F6700-DFC3C    | Catalyst 6500 Dist Fwd Card for WS-X67xx modules            | 2  |  |  |
|                        | WS-X6716-10GE     | Catalyst 6500 16 port 10 Gigabit Ethernet Base Module       | 2  |  |  |
|                        | MEM-XCEF720-256M  | Catalyst 6500 256MB DDR, xCEF720 (67xx interface, DFC3A)    | 2  |  |  |
|                        | WS-F6700-CFC      | Catalyst 6500 Central Fwd Card for WS-X67xx modules         | 2  |  |  |
|                        | FERRITE-BEAD      | Ferrite-Bead  | 2  |  |  |
|                        | CON-SNTP-WS-C6509 | Cisco SmartNet 24x7x4 Service,Catalyst 6509                 | 1  |  |  |
| <b>CLOSET SWITCHES</b> |                   |   |    |  |  |
|                        | WS-C4506E-GE-96V  | Cat4506-E PoE GE Bundle, 1 x S2+10GE, 2 x WS-X4548-GB-RJ45V | 11 |  |  |
|                        | PWR-C45-1300ACV   | Catalyst 4500 1300W AC Power Supply (Data and PoE)          | 11 |  |  |
|                        | PWR-C45-1300ACV/2 | Catalyst 4500 1300W AC Power Supply (Data and PoE)          | 11 |  |  |
|                        | CAB-US520-C19-US  | NEMA 5-20 to IEC-C19 14ft US                                | 22 |  |  |
|                        | S45IPBU-12246SG   | Cisco CAT4500 IOS IP Base Upgrade w/o Crypto                | 11 |  |  |
|                        | X2-10GB-LRM       | 10GBASE-LRM X2 Module                                       | 11 |  |  |
|                        | WS-X4013+10GE     | Catalyst 4500 Sup II+10GE, 2x10GE (X2) and 4x1GE (SFP)      | 11 |  |  |
|                        | WS-X4548-GB-RJ45V | Catalyst 4500 PoE 802.3af 10/100/1000, 48-Ports (RJ45)      | 22 |  |  |
|                        | WS-X4448-GB-RJ45  | Catalyst 4500 48-Port 10/100/1000 Module (RJ45)             | 12 |  |  |
|                        | WS-X4424-GB-RJ45  | Catalyst 4500 24-port 10/100/1000 Module (RJ45)             | 4  |  |  |
|                        | CON-SNTP-C4506E96 | SMARTNET 24X7X4 Cat4506-E PoE GE Bun                        | 11 |  |  |

| RACK SWITCHES        |                    |  |    |  |  |
|----------------------|--------------------|--|----|--|--|
|                      | WS-C3560E-48TD-S   | Catalyst 3560E 48 10/100/1000+2*10GE(X2),265W,IPB s/w    | 10 |  |  |
|                      | S3560EVK9T-12240SE | CAT 3560E IOS Universal with Web Based Dev Mgr           | 10 |  |  |
|                      | CAB-AC             | Power Cord,110V  | 10 |  |  |
|                      | CVR-X2-SFP-2       | Two (2) Cisco TwinGig Converter Modules                  | 10 |  |  |
|                      | CVR-X2-SFP         | Cisco TwinGig Converter Module                           | 20 |  |  |
|                      | X2-10GB-SR         | 10GBASE-SR X2 Module for MMF                             | 10 |  |  |
|                      | CON-SNTP-C4506E    | SMARTNET 24X7X4 Cat4500 E-Series 6-Slot Chassis, fan, no | 10 |  |  |
| TOTAL EXTENDED COST: |                    |  |    |  |  |

The following questions were submitted to ITS and are being presented as they were submitted, except to remove any reference to a specific vendor. This information should assist you in formulating your response.

**Question 1:** Will the new switches be displacing older existing switches? If so, will MDOT consider trading in the old switches if the trade-in resulted in a substantial cost savings to MDOT? If so, what are the quantities, brands, model numbers and serial numbers of the switches to be traded in?

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cc: File 38180

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**Date:** May 15, 2009

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| Cisco       | WS-C6509-E         | Catalyst 6500 Enhanced 9-slot chassis,15RU,no PS,no Fan Tray | 1   |           |                 |
|             | SV33AEK9L-12233SXH | Cisco CAT6000-VSS720 IOS ADV ENT Serv SSH LAN Only           | 1   |           |                 |
|             | VS-S720-10G-3C     | Cat 6500 Supervisor 720 with 2 ports 10GbE and MSFC3 PFC3C   | 2   |           |                 |
|             | CF-ADAPTER-SP      | SP adapter with compact flash for SUP720                     | 2   |           |                 |
|             | X2-10GB-SR         | 10GBASE-SR X2 Module for MMF                                 | 10  |           |                 |
|             | WS-X6716-10G-3C    | Catalyst 6500 16 port 10 Gigabit Ethernet w/ DFC3C (req X2)  | 2   |           |                 |
|             | X2-10GB-LRM        | 10GBASE-LRM X2 Module  | 26  |           |                 |
|             | WS-X6748-GE-TX     | Cat6500 48-port 10/100/1000 GE Mod: fabric enabled, RJ-45    | 3   |           |                 |



|                        |                   |   |    |  |  |
|------------------------|-------------------|---|----|--|--|
|                        | WS-C6509-E-FAN    | Catalyst 6509-E Chassis Fan Tray                            | 1  |  |  |
|                        | WS-CAC-8700W-E    | Catalyst 6500 8700W Enhanced AC Power Supply                | 2  |  |  |
|                        | CAB-AC-C6K-TWLK   | Power Cord, 250Vac 16A, twist lock NEMA L6-20 plug, US      | 4  |  |  |
|                        | VS-F6K-MSFC3      | Catalyst 6500 Multilayer Switch Feature Card (MSFC) III     | 2  |  |  |
|                        | VS-F6K-PFC3C      | Catalyst 6500 Sup 720-10G Policy Feature Card 3C            | 2  |  |  |
|                        | VS-S720-10G       | Catalyst 6500 Supervisor 720 with 2 10GbE ports             | 2  |  |  |
|                        | MEM-C6K-CPTFL1GB  | Catalyst 6500 Compact Flash Memory 1GB                      | 2  |  |  |
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|                        | FERRITE-BEAD      | Ferrite-Bead  | 2  |  |  |
|                        | CON-SNTP-WS-C6509 | Cisco SmartNet 24x7x4 Service,Catalyst 6509                 | 1  |  |  |
| <b>CLOSET SWITCHES</b> |                   |   |    |  |  |
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|                        | WS-X4448-GB-RJ45  | Catalyst 4500 48-Port 10/100/1000 Module (RJ45)             | 12 |  |  |
|                        | WS-X4424-GB-RJ45  | Catalyst 4500 24-port 10/100/1000 Module (RJ45)             | 4  |  |  |
|                        | CON-SNTP-C4506E96 | SMARTNET 24X7X4 Cat4506-E PoE GE Bun                        | 11 |  |  |

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